Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	01/27/2022 09:16 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/20/2022 09:34 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	32272	Expiration Date:	09/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124681	-1	1.24	124604	1.20
Blue	F	SSC	125000	124231	-1	2.34	124722	2.18
Blue	E	FITC	13602	13132	-4	2.20	368	13.85
Blue	D	PE	24891	24373	-3	1.61	580	10.62
Blue	B	PerCP-Cy5-5	33972	33108	-3	2.92	947	14.80
Blue	A	PE-Cy7	22865	22489	-2	4.93	468	30.83
Red	C	APC	47198	46368	-2	2.65	1601	11.40
Red	A	APC-Cy7	26454	25628	-4	3.16	725	12.21
Violet	B	V450	6737	6457	-5	3.45	450	11.15
Violet	A	V500	29317	28101	-5	3.05	959	8.01

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	24379	2.06	539	4	N/A	N/A	Pass
Blue	F	SSC	55827	1.95	520	-1	N/A	N/A	Pass
Blue	E	FITC	54	54.62	488	4	0.0389	53	Pass
Blue	D	PE	113	39.41	491	5	0.3899	311	Pass
Blue	B	PerCP-Cy5-5	150	40.95	584	5	0.0200	71	Pass
Blue	A	PE-Cy7	77	82.37	627	6	0.0220	6	Pass
Red	C	APC	335	25.34	572	0	0.0283	150	Pass
Red	A	APC-Cy7	135	36.06	550	-1	0.0068	1940	Pass
Violet	B	V450	77	45.62	451	1	0.0607	2339	Pass
Violet	A	V500	113	28.61	470	1	0.0274	594	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.64 - 71.46	N/A	N/A	-31.68	-31.46	1.00
Blue	20.36	16.28 - 24.42	1.28	1.03 - 1.55	0.00	0.00	1.43
Red	15.23	13.90 - 20.86	N/A	N/A	29.80	30.04	1.22

Window Extension: 7.00
FSC Area Scaling Factor: 0.93

Threshold

Threshold (FSC): 10847

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments